M. A. R. 57 (Rule 116)
Measurement Book

No. D 346901

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Name of the work: Construction of drain and Concrete work at Karakallu and Bagalagunte old village Surrounding ward No 14. Bangalore, 73						
	Est Cost Rs: 100.00 Lakhs						
	Job code No: 014-19-000005						
	Head of A/c: 24.1% for SC/ST colonies						
	Adm approval No: EE/DD/AS/911/18.19. Dt 29.12.18						
	Tech sanction : CE/DZ/TS/105/18.19 Dt 01.02.19						
	Work order No : EE/DD/WO/365/2018-19 27.02.19						
	Agency : KRIDL, Bangalore						
	Recording datas: 04.10.19, 23-8-19						

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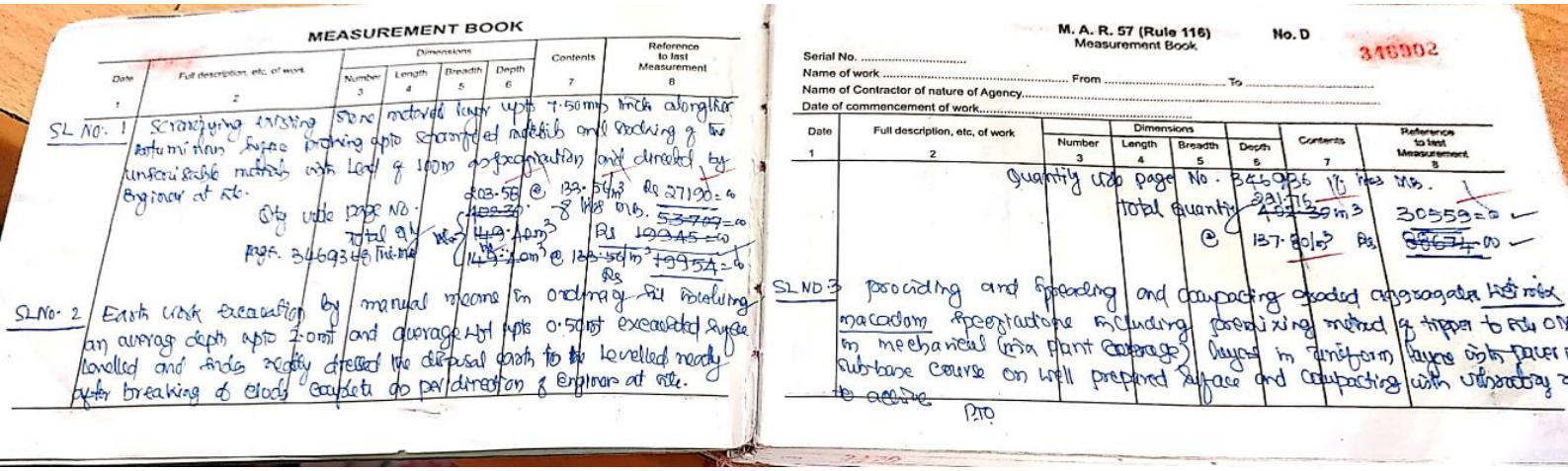

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

SL No. 1 Scarifying existing stone metaled layer upto 7.50mm thick alongwith retaining surface proving upto scarified materials and stacking of the unserviceable materials with lead of 100m as specification and directed by Engineer at site.

Qty vide page No. 402.58 @ 133.54/m³ Rs 27190.00

Total Qty 449.40m³ Rs 109345.00

page. 346934 Trichy 449.40m³ @ 135.54/m³ Rs 79954.00

SL No. 2 Earth work excavation by manual means in ordinary soil including an average depth upto 2.00m and average lift upto 0.50m of excavated surface levelled and sides neatly dressed the disposal earth to the levelled ready after breaking of clods complete as per direction of Engineer at site.

M. A. R. 57 (Rule 116) No. D

Measurement Book

346902

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

Quantity vide page No. 345936 vide MB.

Total Quantity 331.75 m³ 30359.00

@ 137.50/m³ Rs 45671.00

SL NO 3 providing and spreading and compacting graded aggregate [illegible] macadam specification including providing metal by tipper to fill on in mechanical (via plant carriage) layers in uniform layers not to exceed to achieve

P.T.O.

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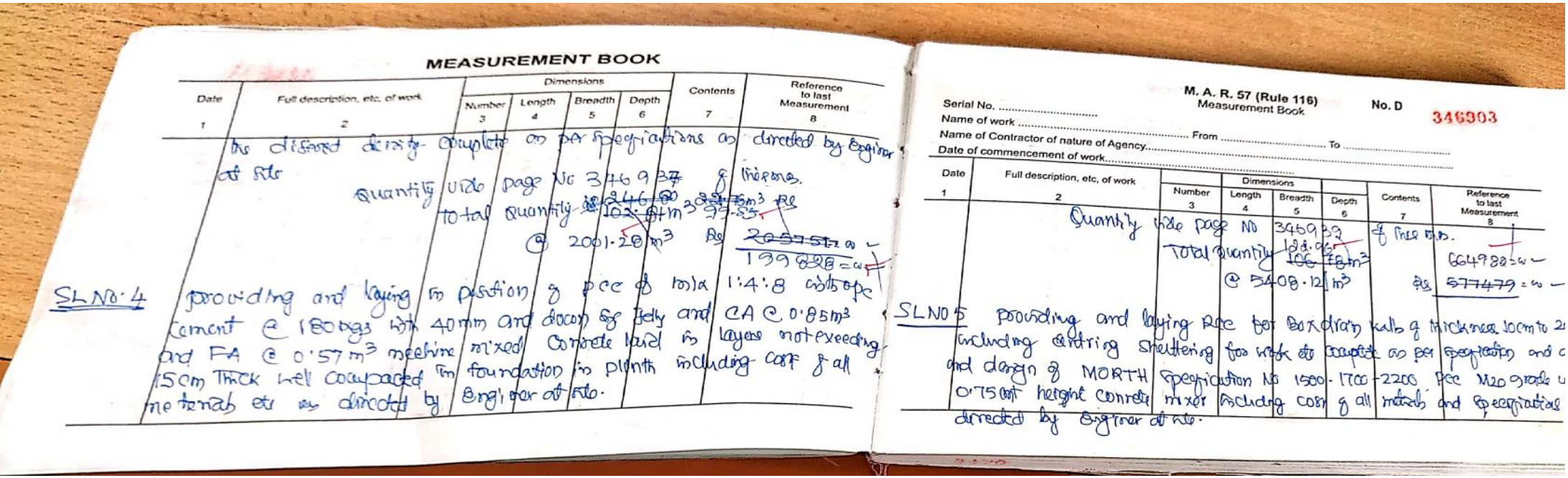

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Rs disfixed density complete as per specifications as directed by Engineer at Rate						
	Quantity vide page No 346937 & Thereon.						
	total Quantity ~~102.01~~ m^3 97.55						
	@ 2001.20 m^3 Rs ~~2057512~~ 199228 = 00						
SL No. 4	providing and laying in position of PCC of mix 1:4:8 with ope cement @ 180 bags with 40 mm and down gr jelly and CA @ 0.85 m^3 and FA @ 0.57 m^3 meeting mixed Concrete laid in layers not exceeding 15 cm Thick well compacted in foundation in plinth including cost of all materials etc as directed by Engineer at Rate.						

M. A. R. 57 (Rule 116) Measurement Book No. D 346903

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Quantity vide page No 345939		144.95			& Thereon.	664988 = 00
	Total Quantity ~~106.78~~ m^3						
	@ 5408.12 m^3					Rs	577479 = 00
SL No 5	providing and laying PCC per Box drain walls of thickness 10cm to 2 including centring shuttering for work etc complete as per specification and d and design of MORTH specification No 1500-1700-2200 PCC M20 grade u 0.75 cft height concrete mixer including cost of all materials and specifications directed by Engineer at site.						

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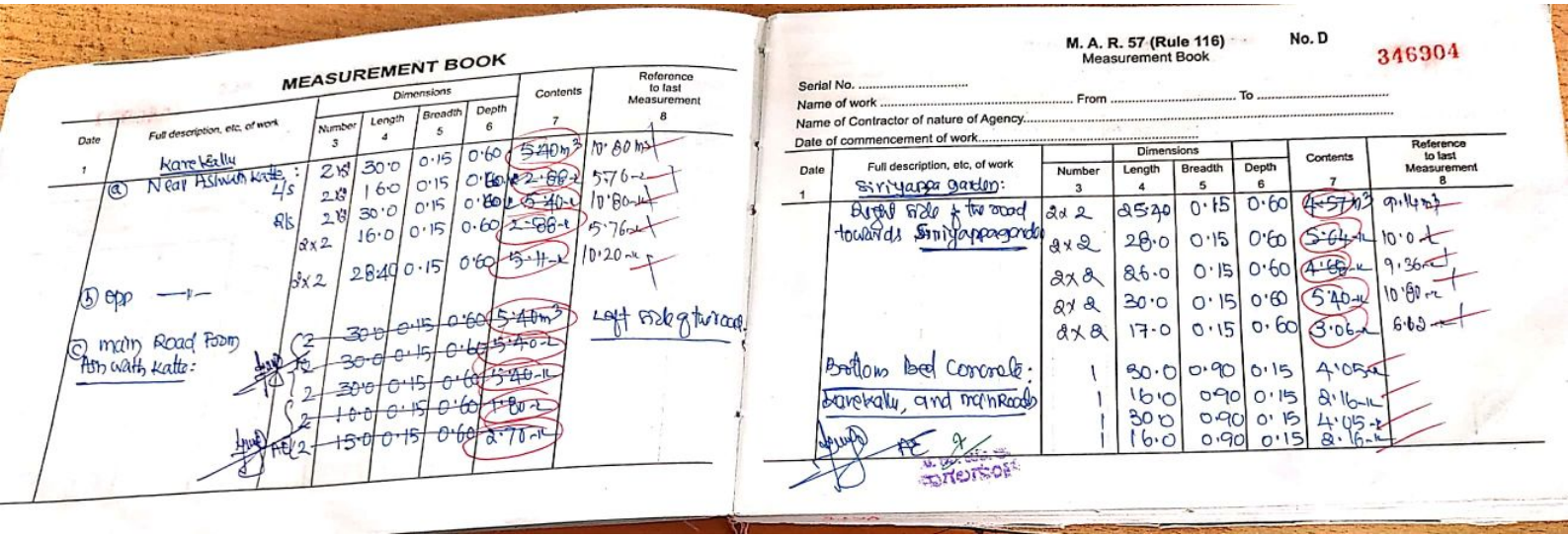

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1		3	4	5	6	7	8
	Kattekelu						
(a)	Near Ashwath Katte : L/S	2x1	30.0	0.15	0.60	5.40m³	10.80 m³
		2x1	16.0	0.15	0.60	2.88-u	5.76-u
	R/S	2x1	30.0	0.15	0.60	5.40-u	10.80-u
		2x2	16.0	0.15	0.60	2.88-u	5.76-u
		3x2	28.40	0.15	0.60	15.11-u	10.20-u
(b)	opp —"—						Left side of the road.
(c)	main Road Point Ashwath Katte:	L/S 2	30.0	0.15	0.60	5.40m³	
		1	30.0	0.15	0.60	5.40-u	
		2	30.0	0.15	0.60	5.40-u	
		2	10.0	0.15	0.60	1.80-u	
		R/S 2	15.0	0.15	0.60	2.70-u	

M. A. R. 57 (Rule 116)
Measurement Book

No. D 346304

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1		3	4	5	6	7	8
	Siriyappa garden:						
	Right side of the road towards Siriyappagarden	2x2	25.40	0.15	0.60	4.57m³	9.14m³
		2x2	28.0	0.15	0.60	5.04-u	10.0 -u
		2x2	26.0	0.15	0.60	4.68-u	9.36-u
		2x2	30.0	0.15	0.60	5.40-u	10.80-u
		2x2	17.0	0.15	0.60	3.06-u	6.12-u
	Bottom bed Concrete:	1	30.0	0.90	0.15	4.05-u	
	Barekallu, and main Roads	1	16.0	0.90	0.15	2.16-u	
		1	30.0	0.90	0.15	4.05-u	
		1	16.0	0.90	0.15	2.16-u	

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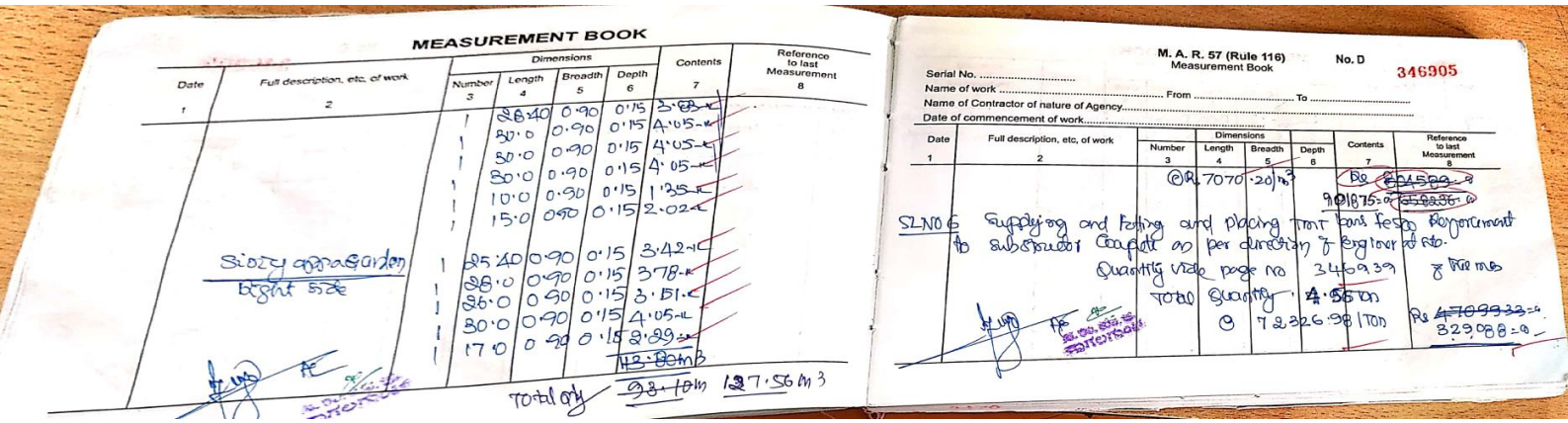

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	26·40	0·90	0·15	3·56 cu.m	
		1	30·0	0·90	0·15	4·05 cu.m	
		1	30·0	0·90	0·15	4·05 cu.m	
		1	30·0	0·90	0·15	4·05 cu.m	
		1	10·0	0·90	0·15	1·35 cu.m	
		1	15·0	0·90	0·15	2·02 cu.m	
	Slozy approaching bight side	1	25·40	0·90	0·15	3·42 cu.m	
		1	28·0	0·90	0·15	3·78 cu.m	
		1	26·0	0·90	0·15	3·51 cu.m	
		1	30·0	0·90	0·15	4·05 cu.m	
		1	17·0	0·90	0·15	2·29 cu.m	
						42·80 cu.m	
			Total Qty			93 Ton	127.56 m3

M. A. R. 57 (Rule 116) Measurement Book No. D 346905

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		@Rs 7070·20/m3				Rs 901875·0	
SL NO 6	Supplying and Petting and placing TMT bars fe500 Reinforcement to substructure Complete as per direction of Engineer at site.						
	Quantity vide page no					346939	
	Total Quantity					4·56 Ton	
		@	72326·98	/Ton		Rs 329988·0	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Sl No. 7 Supplying and fixing of RCC covering Slab 100m thick including carry RCC as per design and drawing metal cost etc as per dept at Kaveikallu:						
		1	30.0	0.90	–	27.0 m²	
		1	16.0	0.90	–	14.4	
		1	30.0	0.90	–	27.0	
		1	16.0	0.90		14.0	
	oppo Ashwath kalb.	1	28.40	0.90		25.56	
	main Rd –	1	30.0	0.90		27.0	
		1	30.0	0.90		27.0	
		1	30.0	0.90		27.0	
		1	10.0	0.90		9.0	
		1	15.0	0.90		13.50	

M. A. R. 57 (Rule 116) No. D
Measurement Book

346906

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Siriyappa Garden:	1	25.40	0.90	–	22.86	
		1	28.0	0.90	–	25.20	
		1	26.0	0.90		23.40	
		1	30.0	0.90		27.0	
		1	17.50	0.90		15.80	
			Total Qty.			325.76 m²	
			@ 2208/m²			Rs 719278	

28.09.19

28.09.19

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	SL NO 8. Unreinforced pcc including as per design over a prepared subbase including opc 53 gr conforming to IS 269 in the proportion 1:5:10 as per clause 1051.2.2 with 25mm and downsize graded metal CA and FA with hyperplasticizer @ 3lts conforming IS 9103 1999 mixed a Concrete mixer not less than 0.6cum capacity and appropriate weigh batcher as per approved design and fixed form work with vibrator as per design Engineer order.						
	Near Ashwathakatte.	1	46.0	2.60+3.80		x.15 = 22.08 m³	
	Ls up to Shanthaveri Gate	1	5.25	4.30	0.15	= 3.38 m³	
		1	14.40	2.70	0.15	= 5.67 m³	
		1	4.0	3.0	0.15	= 1.80 m³	
	At Temple:	1	16.0	3.25	0.15	= 7.80 m³	

M. A. R. 57 (Rule 116) Measurement Book No. D

346907

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Towards Krishnanilaya	1	30.0	4.0	0.15	= 18.0 m³	
		1	22.50	4.0	0.15	= 13.50 m³	
		1	30.0	5.0	0.15	= 22.50 m³	
		1	30.0	5.0	0.15	= 22.50 m³	
		1	9.60	5.25+5.70		x.05 = 7.88 m³	
		1	19.75	5.70+3.75		x.05 = 13.96 m³	
	From 1st main Road Vinayaka Nagar scout.	1	55.0	4.50	(AL)	x.15 = 16.87 m³	
	At Shanimahathma Gate	1	6.0	3.25+3.75		x.15 = 5.40 m³	
02.10.19						Total Qty	3.37 m³ 159.81 m³

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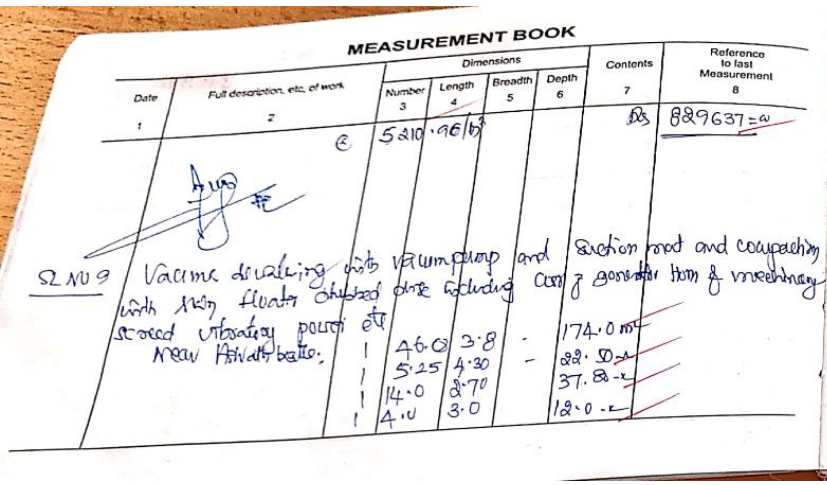
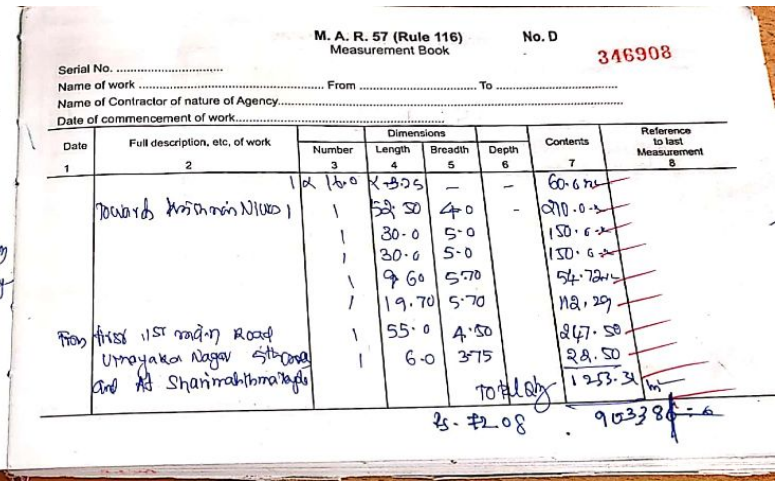


MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
			5210.96				829637=00
	Amt						
SL NO 9	Vacuum dewatering unit with vacuum pump and suction pipe and compacting with new fluster attached pipe including cost of consumables and transportation of machinery						
	Across Infantry road, Opp Ashwath Katte.	1	46.0	3.8	-	174.0 m²	
		1	5.25	4.30	-	22.50	
		1	14.0	2.70		37.80	
		1	4.0	3.0		12.0	



M. A. R. 57 (Rule 116) No. D
Measurement Book
346908

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1 @ 12.0	X 5.25	—	—	60.6 m²	
	Towards Anjanappa Nilaya	1	52.50	4.0	-	210.0	
		1	30.0	5.0		150.0	
		1	30.0	5.0		150.0	
		1	9.60	5.70		54.72	
		1	19.70	5.70		112.29	
	From First 1st main Road Ummayakka Nagar 5th Cross and At Shanmukhanagar	1	55.0	4.50		247.50	
		1	6.0	3.75		28.50	
					Total Qty	1253.31	m²

25.208 . 903386=00

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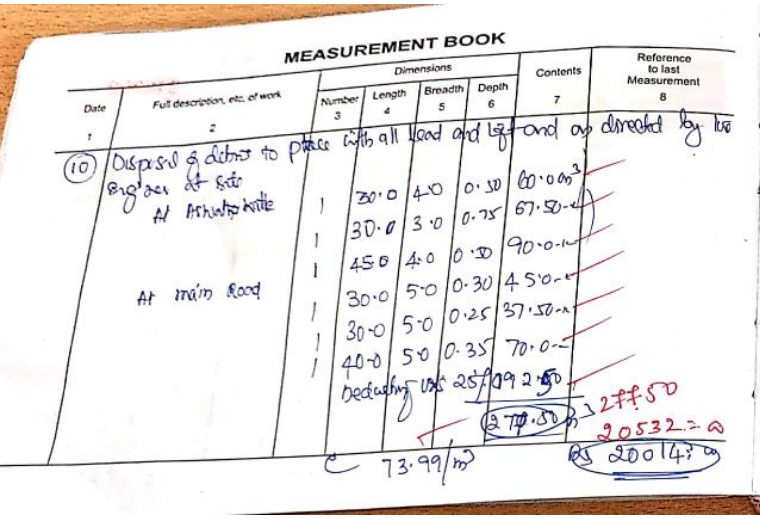
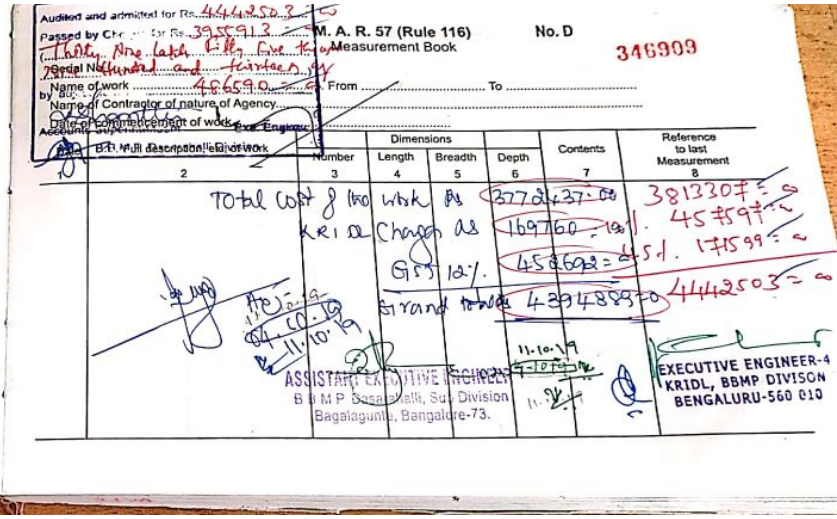


MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(10)	Disposal of debris to place with all lead and lift and as directed by the Engr at site						
	At Ashwath Katte	1	30.0	4.0	0.50	60.00 m³	
		1	30.0	3.0	0.75	67.50	
		1	45.0	4.0	0.50	90.00	
	At main Road	1	30.0	5.0	0.30	45.00	
		1	30.0	5.0	0.25	37.50	
		1	40.0	5.0	0.35	70.00	
	Deducting Qty 25/09/19						
						370.50 m³	27.50
							20532.00
	@ 73.99/m³						Rs 20014.00



Audited and admitted for Rs. 4442503.00
Passed by Chief Engineer for Rs. 3955913.00
(Rupees Thirty Nine Lakh fifty Five Thousand Nine Hundred and thirteen only)
Serial No. 346909

M. A. R. 57 (Rule 116) No. D
Measurement Book

Name of work ... 466590.00 From ... To ...
by Agency
Name of Contractor of nature of Agency ...
Date of commencement of work ... Executive Engineer
Accounting Unit Officer

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Total cost of the work As					3770437.00	3813307.00
	KRIDL Charges As					169760.10%	45597.00
	GST 12%					453693 = 45%	174599.00
	Grand total As					4394889.00	4442503.00

11.10.19
ASSISTANT EXECUTIVE ENGINEER
B B M P Basavanagudi, Sub Division
Bagalagunte, Bangalore-73.

11.10.19
EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

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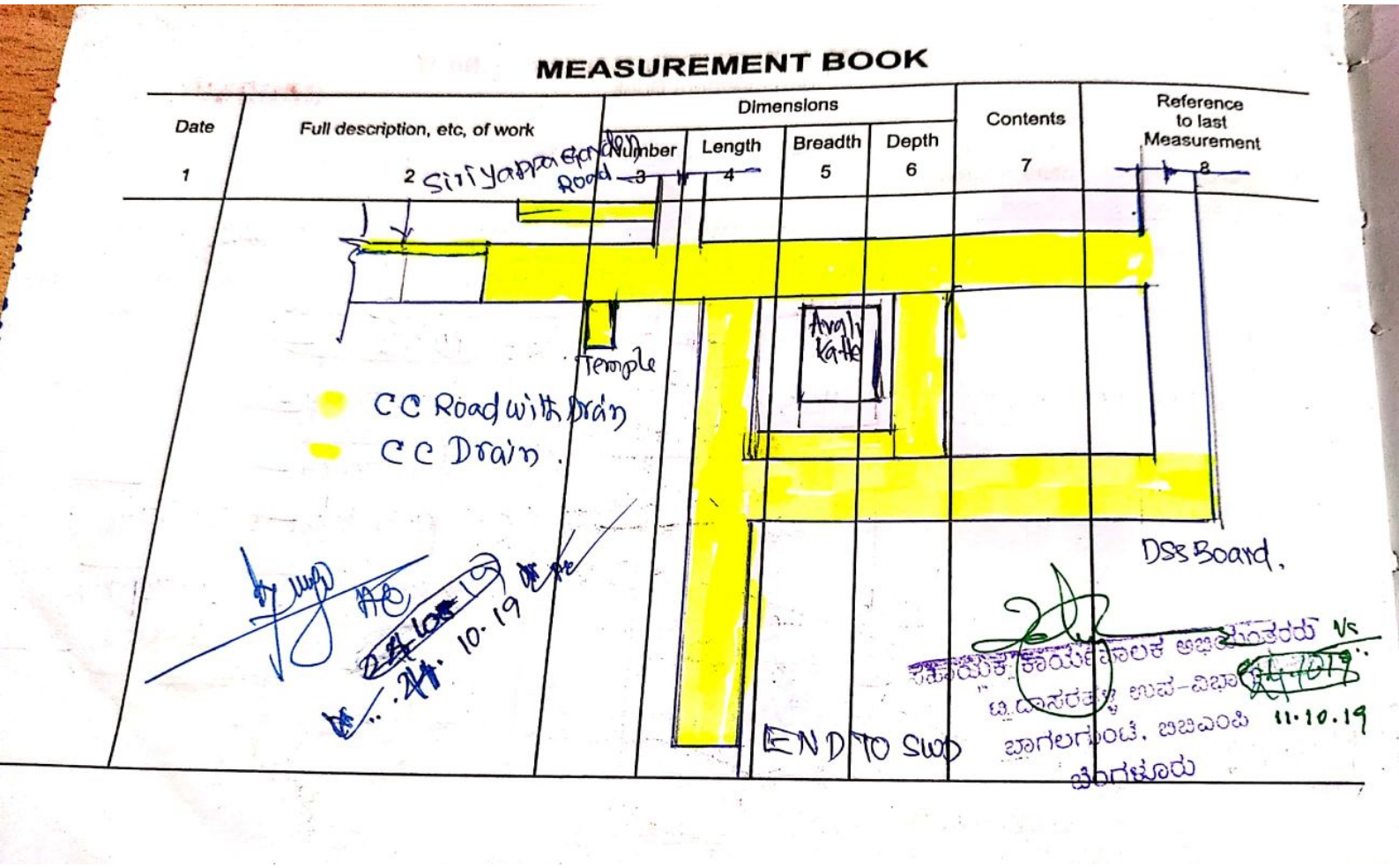
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು Vs
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಬಿಬಿಎಂಪಿ 11.10.19
ಪೀಣ್ಯ ಬೆಂಗಳೂರು

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